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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Applicants: Neogi et al.

Application Serial No. 09/843,167

Filing Date: April 27, 2001

Date: August 1, 2003

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of

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Examiner: S. Barts

Group Art Unit: 1621

**U.S. PATENT DOCUMENTS**

| Examiner's<br>Initials* | Document<br>Number | Date<br>MM/YYYY | Name<br>(Family Name of First Inventor) | Class | Sub<br>Class | Filing Date<br>(if appropriate) |
|-------------------------|--------------------|-----------------|---|-------|--------------|---------------------------------|
| S/B                     | AR 3,609,183       | Sep 1971        | DeWald et al.                           |       |              |                                 |
|                         | BR 3,683,009       | Aug 1972        | Middleton                               |       |              |                                 |
|                         | CR 3,846,398       | Nov 1974        | Hirschmann et al.                       |       |              |                                 |
|                         | DR 4,092,335       | May 1978        | Gruszecki et al.                        |       |              |                                 |
|                         | ER 4,217,366       | Aug 1980        | Kikumoto et al.                         |       |              |                                 |
|                         | FR 4,271,186       | Jun 1981        | Forster et al.                          |       |              |                                 |
|                         | GR 4,284,637       | Aug 1981        | Kikumoto et al.                         |       |              |                                 |
|                         | HR 4,297,429       | Nov 1981        | Kanada et al.                           |       |              |                                 |
|                         | IR 4,310,534       | Jan 1982        | Kikumoto et al.                         |       |              |                                 |
|                         | JR 4,312,855       | Jan 1982        | Grand                                   |       |              |                                 |
|                         | KR 4,326,055       | Apr 1982        | Loeliger                                |       |              |                                 |
|                         | LR 4,716,905       | Jan 1988        | Schmued                                 |       |              |                                 |
|                         | MR 4,866,086       | Sep 1989        | Boyle et al.                            |       |              |                                 |
|                         | NR 4,929,635       | May 1990        | Coquelet et al.                         |       |              |                                 |
|                         | OR 4,940,707       | Jul 1990        | Klaus et al.                            |       |              |                                 |
|                         | PR 5,087,637       | Feb 1992        | Janssen et al.                          |       |              |                                 |
|                         | QR 5,162,337       | Nov 1992        | Elbrecht et al.                         |       |              |                                 |
|                         | RR 5,171,753       | Dec 1992        | Munson, Jr. et al.                      |       |              |                                 |
|                         | SR 5,189,056       | Feb 1993        | Orlando et al.                          |       |              |                                 |

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|     |                    |                 |         |               | Enclosed            | No | Enclosed                            | No |
| S/B | TR 32128           | Jun 1981        | Europe  |               |                     |    |                                     |    |
|     | UR                 |                 |         |               |                     |    |                                     |    |

**OTHER (Including in this order Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

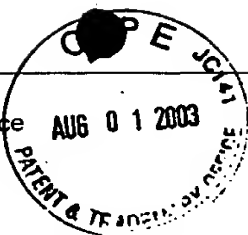
|     |    |   |  |  |  |  |
|-----|----|---|--|--|--|--|
| S/B | VR | Sohda et al. "Antiulcer Activity of 5-Benzylthiazolidine-2,4-Dione Derivatives" <i>Chem. Pharm. Bull.</i> 31(2) (1983) 560 - 569.   |  |  |  |  |
|     | WR | Giles et al. "Regiospecific Reduction of 5-Benzylidene-2,4-Thiazolidinediones and 4-Oxo-2-thiazolidinethiones Using Lithium Borohydride in Pyridine and Tetrahydrofuran" <i>Tetrahedron</i> 56 (26) (2000) 4531 - 4537. |  |  |  |  |
|     | XR | Myaoka et al. "Preparation of 2,4-Dioxo-1,2,3,4-Tetrahydroquinazoline Derivatives Having Blood Sugar-Lowering and Aldose Reductase-Inhibiting Activity" <i>Japan Kokai Tokkyo Koho</i> (1996).                          |  |  |  |  |
|     | YR | Pettit et al. "Isolation, Structure, Synthesis and Antimitotic Properties of Combretastatins B-3 and B-4 from <i>Combretum Caffrum</i> " <i>Journal of Natural Products</i> 51:3 (1988) 517 - 527.                      |  |  |  |  |

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Date Considered:

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| Applicants: Neogi et al.                     |
| Application Serial No. 09/843,167            |
| Filing Date: April 27, 2001                  |
| Examiner: S. Barts      Group Art Unit: 1621 |

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|-------------------------|--------------------|-----------------|---|-------|--------------|---------------------------------|
| <i>SB</i>               | ZR 5,246,936       | Sep 1993        | Treacy et al.                           |       |              |                                 |
|                         | AAR 5,250,562      | Oct 1993        | Klaus et al.                            |       |              |                                 |
|                         | BBR 5,314,693      | May 1994        | Suga                                    |       |              |                                 |
|                         | CCR 5,378,705      | Jan 1995        | Klaus et al.                            |       |              |                                 |
|                         | DDR 5,409,953      | Apr 1995        | Pettit et al.                           |       |              |                                 |
|                         | EER 5,430,062      | Jul 1995        | Cushman et al.                          |       |              |                                 |
|                         | FFR 5,494,932      | Feb 1996        | Cardin et al.                           |       |              |                                 |
|                         | GGR 5,521,160      | May 1996        | Chucholowski et al.                     |       |              |                                 |
|                         | HHR 5,525,632      | Jun 1996        | Obsumi et al.                           |       |              |                                 |
|                         | IIR 5,532,129      | Jul 1996        | Heller                                  |       |              |                                 |
|                         | JJR 5,559,151      | Sep 1996        | Adorante et al.                         |       |              |                                 |
|                         | KKR 5,565,191      | Oct 1996        | Raspanti                                |       |              |                                 |
|                         | LLR 5,565,322      | Oct 1996        | Heller                                  |       |              |                                 |
|                         | MMR 5,569,786      | Oct 1996        | Pettit et al.                           |       |              |                                 |
| <i>SB</i>               | NNR 5,583,128      | Dec 1996        | Bhatnagar                               |       |              |                                 |

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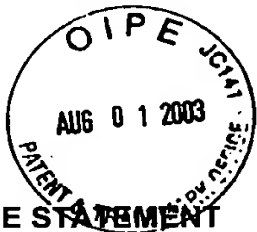
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|                    |                 |         |               | Enclosed            | No                                  |
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| <i>SB</i> | PPR | Green, Richard H. "Syntheses of Differanisole A" <i>Tetrahedron Letters</i> 38:26 (1997) 4697-4700.   |  |  |  |
|           | QQR | Reddy et al. "From Styrenes to Enantipure $\alpha$ -Arylglycines in Two Steps" <i>J. Am. Chem. Soc.</i> 120 (1998) 1207-1217.   |  |  |  |
|           | RRR | Momose et al. "Studies on Antidiabetic Agents. X. <sup>1</sup> Synthesis and Biological Activities of Pioglitazone and Related Compounds" <i>Chem. Pharm. Bull.</i> 39(6) (1991) 1440 - 1445.   |  |  |  |
|           | SSR | Cantello et al. "[ $\omega$ -(Heterocyclamino)alkoxy]benzyl]-2,4-thiazolidinediones as Potent Antihyperglycemic Agents" <i>J. Med. Chem.</i> 37 (1994) 3977 - 3985.   |  |  |  |
|           | TTR | Sohda et al. "Studies on Antidiabetic Agents. XII. <sup>1</sup> Synthesis and Activity of the Metabolites of (+)-5-[p-[2-(5-Ethyl-2-pyridyl)ethoxy]benzyl]-2,4-thiazolidinedione (Pioglitazone)" <i>Chem. Pharm. Bull.</i> 43(12) (1995) 2168 - 2172. |  |  |  |
|           | UUR | Willson et al. "The Structure-Activity Relationship between Peroxisome Proliferator-Activated Receptor $\gamma$ Agonism and the Antihyperglycemic Activity of Thiazolidinediones" <i>J. Med. Chem.</i> 39 (1996) 665 - 668.                           |  |  |  |
| <i>SB</i> | VVR | Tanis et al. "Synthesis and Biological Activity of Metabolites of the Antidiabetic; Antihyperglycemic Agent Pioglitazone" <i>J. Med. Chem.</i> 39 (1996) 5053 - 5063.   |  |  |  |

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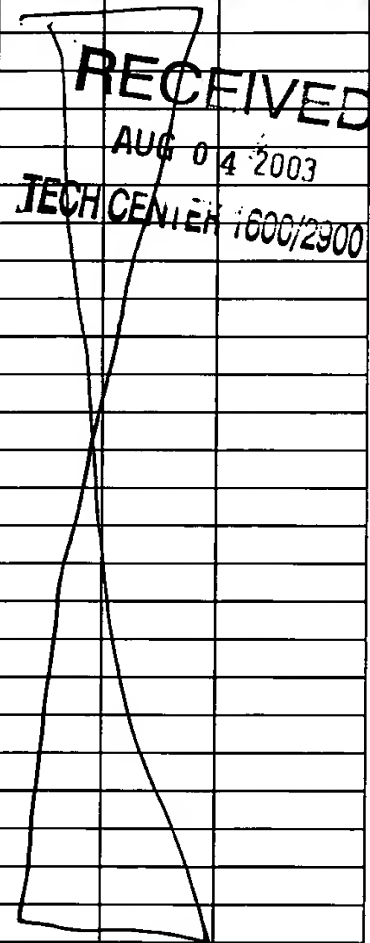
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| Examiner: S. Barts                | Group Art Unit: 1621 |

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| <i>SB</i>               | WVR  | 5,589,506          | Dec 1996        | Hashimoto et al.                        |       |              |                                 |
|                         | XXR  | 5,672,625          | Sep 1997        | Cardin et al.                           |       |              |                                 |
|                         | YYR  | 5,674,906          | Oct 1997        | Hatanaka et al.                         |       |              |                                 |
|                         | ZZR  | 5,705,530          | Jan 1998        | Adorante et al.                         |       |              |                                 |
|                         | AAAR | 5,716,928          | Feb 1998        | Benet et al.                            |       |              |                                 |
|                         | BBBR | 5,731,353          | Mar 1998        | Ohsumi et al.                           |       |              |                                 |
|                         | CCCR | 5,733,909          | Mar 1998        | Black et al.                            |       |              |                                 |
|                         | DDDR | 5,767,268          | Jun 1998        | Chucholowski et al.                     |       |              |                                 |
|                         | EEER | 5,770,620          | Jun 1998        | Mjalli et al.                           |       |              |                                 |
|                         | FFFR | 5,827,898          | Oct 1998        | Khandwala et al.                        |       |              |                                 |
|                         | GGGR | 5,972,973          | Oct 1999        | Whitcomb                                |       |              |                                 |
|                         | HHHR | 5,985,884          | Nov 1999        | Lohray et al.                           |       |              |                                 |
|                         | IIIR | 5,990,139          | Nov 1999        | Yano et al.                             |       |              |                                 |
|                         | JJJR | 6,008,237          | Dec 1999        | Sahoo et al.                            |       |              |                                 |
|                         | KKKR | 6,011,031          | Jan 2000        | Lohray et al.                           |       |              |                                 |
|                         | LLLR | 6,011,036          | Jan 2000        | Lohray et al.                           |       |              |                                 |
|                         | MMMR | 6,030,973          | Feb 2000        | Lohray et al.                           |       |              |                                 |
|                         | NNNR | 6,034,110          | Mar 2000        | Nagpal et al.                           |       |              |                                 |
|                         | OOOR | 6,046,202          | Apr 2000        | Antonucci et al.                        |       |              |                                 |
|                         | PPPR | 6,046,222          | Apr 2000        | Antonucci et al.                        |       |              |                                 |
|                         | QQQR | 6,080,765          | Jun 2000        | Ikeda et al.                            |       |              |                                 |
|                         | RRRR | 6,103,742          | Aug 2000        | Ikeda et al.                            |       |              |                                 |
|                         | SSSR | 6,107,323          | Aug 2000        | Tamura et al.                           |       |              |                                 |
|                         | TTTR | 6,110,948          | Aug 2000        | Momose et al.                           |       |              |                                 |
| <i>SB</i>               | UUUR | 6,110,951          | Aug 2000        | Pershad Singh et al.                    |       |              |                                 |



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| VVVR               |                 |         |               |                     |                                     |

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| <i>SB</i> | WWWR | Shinkai et al. "Isoxazolidine-3,5-dione and Noncyclic 1,3-Dicarbonyl Compounds as Hypoglycemic Agents" <i>J. Med. Chem.</i> 41 (1998) 1927 - 1933. |
| <i>SB</i> | XXXR | Lohray et al. "Novel Euglycemic and Hypolipidemic Agents" <i>J. Med. Chem.</i> 41 (1998) 1619 - 1630.  |

Examiner *IHB* Date Considered: *12/15/03*

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|-------------------------|------|--------------------|-----------------|---|-------|--------------|---------------------------------|
| <i>SB</i>               | YYR  | 6,114,526          | Sep 2000        | Lohray et al.                           |       |              |                                 |
|                         | ZZR  | 6,117,893          | Sep 2000        | Fujita et al.                           |       |              |                                 |
|                         | AAAR | 6,121,294          | Sep 2000        | Ikeda et al.                            |       |              |                                 |
|                         | BBBR | 6,121,295          | Sep 2000        | Ikeda et al.                            |       |              |                                 |
|                         | CCCR | 6,130,216          | Oct 2000        | Antonucci et al.                        |       |              |                                 |
|                         | DDDR | 6,133,293          | Oct 2000        | Ikeda et al.                            |       |              |                                 |
|                         | EEEE | 6,133,295          | Oct 2000        | Ikeda et al.                            |       |              |                                 |
| <i>SB</i>               | FFFF | 6,331,633          | Dec 2001        | Neogi et al.                            |       |              |                                 |
|                         | GGGR |                    |                 |   |       |              |                                 |
|                         | HHHR |                    |                 |   |       |              |                                 |
|                         | IIIR |                    |                 |   |       |              |                                 |
|                         | JJJR |                    |                 |   |       |              |                                 |
|                         | KKKR |                    |                 |   |       |              |                                 |
|                         | LLLL |                    |                 |   |       |              |                                 |

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|  | MMMMR              |                 |         |               | Enclosed            | No                                  |
|  | NNNR               |                 |         |               | Enclosed            | No                                  |
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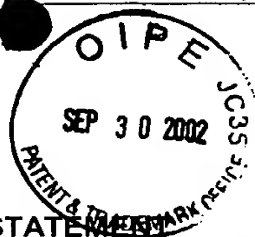
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| <i>SB</i> | PPPR   | Reddy et al. "Novel Antidiabetic and Hypolipidemic Agents. 5. Hydroxyl versus Benzyloxy Containing Chroman Derivatives" J. Med. Chem. 42 (1999) 3265 - 3278. |
|           | QQQR   |  |
|           | RRRR   |  |
|           | SSSR   |  |
|           | TTTT   |  |
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|-------------------------|--------------------|-----------------|---|-------|--------------|------------------------------------|
|                         | AR                 |                 |   |       |              |                                    |
|                         | BR                 |                 |   |       |              |                                    |
|                         | CR                 |                 |   |       |              |                                    |
|                         | DR                 |                 |   |       |              |                                    |
|                         | ER                 |                 |   |       |              |                                    |
|                         | FR                 |                 |   |       |              |                                    |
|                         | GR                 |                 |   |       |              |                                    |
|                         | HR                 |                 |   |       |              |                                    |
|                         | IR                 |                 |   |       |              |                                    |
|                         | JR                 |                 |   |       |              |                                    |
|                         | KR                 |                 |   |       |              |                                    |
|                         | LR                 |                 |   |       |              |                                    |
|                         | MR                 |                 |   |       |              |                                    |
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|  |                    |                 |         |               | Enclosed            | No | Enclose                             | No |
|  | OR                 |                 |         |               |                     |    |                                     |    |
|  | PR                 |                 |         |               |                     |    |                                     |    |
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|  | WR                 |                 |         |               |                     |    |                                     |    |
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| ZR  |  |  |  |  |
| AAR |  |  |  |  |
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